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(54) DISPERSED TYPE ELECTROLUMINESCENT ELEMENT

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(57) Abstract:

PURPOSE: To ensure the long life of a dispersed type electroluminescent element even in use in an environment where ultraviolet rays are abundant by forming a layer containing supermicro particles of titanium dioxide between a light-emitting layer and a surface side moistureproof film.

CONSTITUTION: Supermicro particles 9 of titanium dioxide are disposed between a light-emitting layer 3 and a surface side moistureproof film 5a or within the light-emitting layer 3. The supermicro particles of titanium dioxide can be readily and uniformly mixed in a desired amount with other materials, and also has a property of absorbing ultraviolet rays and visible transparency. A distributed type electroluminescent element therefore exhibits an excellent shielding effect and at the same time maintains high transparency against visible lights. This prevents densification of the fluorescent material of the light-emitting layer or deterioration of fluorescent pigment whereby the long life of the electroluminescent element is ensured.

